



Science Toolkit: Grade 8 Objective 1.C.1.b

Student Handout: Science: Grade 8 Objective 1.C.1.b

Standard 1.0 Skills and Processes

Topic C. Communicating Scientific Information

Indicator 1. Develop explanations that explicitly link data from investigations conducted, selected readings and, when appropriate, contributions from historical discoveries.

Objective b. Interpret tables and graphs produced by others and describe in words the relationships they show.

Selected Response (SR) Item

Question

Use the information below to answer the following question.

Our solar system consists of the sun, planets, moons, and other objects. Each planet revolves around the sun and rotates on an axis. A data table comparing the four inner planets of the solar system is shown below.

FOUR INNER PLANETS		
Planets	Average Distance from the Sun (kilometers)	Time to Complete One Rotation (hours)
Mercury	57,700,000	1,407.5
Venus	108,500,000	5,832
Earth	149,000,000	24
Mars	227,000,000	24.6

Which planet has the longest solar day?

- A. Mercury
- B. Venus
- C. Earth
- D. Mars

Correct Answer

B. Venus

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